



#12
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SEQUENCE LISTING

<110> CHELLY et al.
<120> GENE CALLED OLIGOPHRENIN1 . . .
<130> P06780US0/BAS
<140> US 09/581,422
<141> 2001-11-20
<150> PCT/EP98/08557
<151> 1998-12-14
<150> EP 97 403 050.4
<151> 1997-12-15
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<211> 600

<212> DNA

<213> Homo sapiens

<400> 9

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 <212> DNA
 <213> Homo sapiens

<400> 11

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<400> 13

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catggatctt tctgtttatc ttcttttgta gatctaccac agccctataa caaacagca      240
agaaagtgag tcacttaagt ttttggctca ctagcattat aaactgccag ctgtccgatt      300
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 <223> n=(a or c or t or g)

<400> 17

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ttntggggagc tagttggaga ccttgctaga gggctcagcc catgcttttg cagggtctttt	180
gttgaattac tagcaacttg gattccctga cgaagcttca ggtgaagaga aaaatgtata	240
taatcccact aagctgtagg gctcaggaac ttcagccttg ctgtccccag aactaagaat	300
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 <211> 387

<212> DNA
<213> Homo sapiens

<400> 18

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ctgggtatata agctaccaga aaagaaccga gagatgctgg aacttctgat aagacacttg     180
gtcaagtaag taactgctgg attttcagaa aaagttccta ttagaggact ggcccatgtg      240
gttggtactac acagaaactg cctctcagct ctttcagccc cagcccttaa gtgcttcctt     300
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<212> DNA
<213> Homo sapiens

<400> 19

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catgggagta atctttgggc ccacctgat gagagctcag gaggacactg tggccgccat      180
gatgaacatc aaattccaga acatagtggg ggaaatacta atcgagcact ttggcaaggt      240
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<211> 512
<212> DNA
<213> Homo sapiens

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<223> n=(a or c or t or g)

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cgtnacaaac tctagatata aggccaacaa gcatcaantg gtgggtagca ttcagaagac	180
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caaaccaatc acgatttcaa agcgcttgct gcgagaaagg acggttttct atactttctc	360
cctggatgaa agcgaaggtc agtactnagg ttctccttta gcttctgaat ggtgattaga	420
cacnnagnan gatatcnaat ggctcaagcg gtggcatcac catttntctc totataaaag	480
tanacctttc ctgnctcctg aacttaaaaag ca	512

<210> 21
 <211> 841
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (164)
 <223> n=(a or c or t or g)

<400> 21

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tatcaaaatg aaaaggtttt aaaagttatc attaattctc cctnttggca ccaacttttc	180
ctagatgaaa tccaacatca aacaccgaat ggtactatca ccagcagcat agaaccccc	240
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cctctatatc ccaagtgcta tgtgacctggc actgtactaa ttgctgatat actatttctt 780
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t 841

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<211> 615
<212> DNA
<213> Homo sapiens
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<210> 23
<211> 475
<212> DNA
<213> Homo sapiens

<400> 23

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<210> 24
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 <212> DNA
 <213> Homo sapiens

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<210> 25
 <211> 4504
 <212> DNA
 <213> Homo sapiens

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 <211> 3101
 <212> DNA
 <213> Homo sapiens

<400> 26

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<210> 27
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 35 40 45

Ala Met Arg Asn Tyr Ser Ser Ala Val Gln Lys Phe Ser Gln Thr Leu
 50 55 60

Gln Ser Phe Gln Phe Asp Phe Ile Gly Asp Thr Leu Thr Asp Asp Glu
 65 70 75 80

Ile Asn Ile Ala Glu Ser Phe Lys Glu Phe Ala Glu Leu Leu Asn Glu
 85 90 95

Val Glu Asn Glu Arg Met Met Met Val His Asn Ala Ser Asp Leu Leu
 100 105 110

Ile Lys Pro Leu Glu Asn Phe Arg Lys Glu Gln Ile Gly Phe Thr Lys
 115 120 125

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130 135 140

Leu Asp Arg His Leu His Leu Ser Ser Lys Lys Lys Glu Ser Gln Leu
145 150 155 160

Gln Glu Ala Asp Leu Gln Val Asp Lys Glu Arg His Asn Phe Phe Glu
165 170 175

Ser Ser Leu Asp Tyr Val Tyr Gln Ile Gln Glu Val Gln Glu Ser Lys
180 185 190

Lys Phe Asn Ile Val Glu Pro Val Leu Ala Phe Leu His Ser Leu Phe
195 200 205

Ile Ser Asn Ser Leu Thr Val Glu Leu Thr Gln Asp Phe Leu Pro Tyr
210 215 220

Lys Gln Gln Leu Gln Leu Ser Leu Gln Asn Thr Arg Asn His Pro Ser
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Ser Thr Arg Glu Glu Met Glu Glu Leu Lys Lys Arg Met Lys Glu Ala
245 250 255

Pro Gln Thr Cys Lys Leu Pro Gly Gln Pro Thr Ile Glu Gly Tyr Leu
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Tyr Thr Gln Glu Lys Trp Ala Leu Gly Ile Ser Trp Val Lys Tyr Tyr
275 280 285

Cys Gln Tyr Glu Lys Trp Thr Lys Thr Leu Thr Met Thr Pro Met Glu
290 295 300

Gln Lys Pro Gly Ala Leu Gln Gly Pro Leu Asp Leu Thr Leu Lys Tyr
305 310 315 320

Cys Val Arg Arg Lys Thr Glu Ser Ile Asp Lys Arg Phe Cys Phe Asp
325 330 335

Ile Glu Thr Asn Glu Arg Pro Gly Thr Ile Thr Leu Gln Ala Leu Ser
340 345 350

Glu Ala Asn Arg Arg Leu Trp Met Glu Ala Met Asp Gly Lys Glu Pro

355

360

365

Ile Tyr His Ser Pro Ile Thr Lys Gln Gln Glu Met Glu Leu Asn Glu
 370 375 380

Val Gly Phe Lys Phe Val Arg Lys Cys Ile Asn Ile Ile Glu Thr Lys
 385 390 395 400

Gly Ile Lys Thr Glu Gly Leu Tyr Arg Thr Val Gly Ser Asn Ile Gln
 405 410 415

Val Gln Lys Leu Leu Asn Ala Phe Phe Asp Pro Lys Cys Pro Gly Asp
 420 425 430

Val Asp Phe His Asn Ser Asp Trp Asp Ile Lys Thr Ile Thr Ser Ser
 435 440 445

Leu Lys Phe Tyr Leu Arg Asn Leu Ser Glu Pro Val Met Thr Tyr Arg
 450 455 460

Leu His Lys Glu Leu Val Ser Ala Ala Lys Ser Asp Asn Leu Asp Tyr
 465 470 475 480

Arg Leu Gly Ala Ile His Ser Leu Val Tyr Lys Leu Pro Glu Lys Asn
 485 490 495

Arg Glu Met Leu Glu Leu Leu Ile Arg His Leu Val Asn Val Cys Glu
 500 505 510

His Ser Lys Glu Asn Leu Met Thr Pro Ser Asn Met Gly Val Ile Phe
 515 520 525

Gly Pro Thr Leu Met Arg Ala Gln Glu Asp Thr Val Ala Ala Met Met
 530 535 540

Asn Ile Lys Phe Gln Asn Ile Val Val Glu Ile Leu Ile Glu His Phe
 545 550 555 560

Gly Lys Ile Tyr Leu Gly Pro Pro Glu Glu Ser Ala Ala Pro Pro Val
 565 570 575

Pro Pro Pro Arg Val Thr Ala Arg Arg His Lys Pro Ile Thr Ile Ser
 580 585 590

Lys Arg Leu Leu Arg Glu Arg Thr Val Phe Tyr Thr Ser Ser Leu Asp
595 600 605

Glu Ser Glu Asp Glu Ile Gln His Gln Thr Pro Asn Gly Thr Ile Thr
610 615 620

Ser Ser Ile Glu Pro Pro Lys Pro Pro Gln His Pro Lys Leu Pro Ile
625 630 635 640

Gln Arg Ser Gly Glu Thr Asp Pro Gly Arg Lys Ser Pro Ser Arg Pro
645 650 655

Ile Leu Asp Gly Lys Leu Glu Pro Cys Pro Glu Val Asp Val Gly Lys
660 665 670

Leu Val Ser Arg Leu Gln Asp Gly Gly Thr Lys Ile Thr Pro Lys Ala
675 680 685

Thr Asn Gly Pro Met Pro Gly Ser Gly Pro Thr Lys Thr Pro Ser Phe
690 695 700

His Ile Lys Arg Pro Ala Pro Arg Pro Leu Ala His His Leu Glu Gly
705 710 715 720

Asp Ala Asp Ser Phe Ser Lys Val Arg Pro Pro Gly Glu Lys Pro Thr
725 730 735

Ile Ile Arg Pro Pro Val Arg Pro Pro Asp Pro Pro Cys Arg Ala Ala
740 745 750

Thr Pro Gln Lys Pro Glu Pro Lys Pro Asp Ile Val Ala Gly Asn Ala
755 760 765

Gly Glu Ile Thr Ser Ser Val Val Ala Ser Arg Thr Arg Phe Phe Glu
770 775 780

Thr Ala Ser Arg Lys Thr Gly Ser Ser Gln Gly Arg Leu Pro Gly Asp
785 790 795 800

Glu Ser